

BEST AVAILABLE COPY

9194199354

IPTL

10:08:06 a.m. 07-08-2005

2/14

Serial No. 10/699,533

ENTER ARNOT
MTC
7/13/05

SECTION I. (AMENDMENTS TO THE CLAIMS)

Please amend the claims as set forth below:

1. (Cancelled)
2. (Cancelled)
3. (Cancelled)
4. (Cancelled)
5. (Cancelled)
6. (Cancelled)
7. (Cancelled)
8. (Previously presented) A high throughput liquid chromatography system comprising:
a plurality of separation columns containing stationary phase material and adapted to
perform a plurality of parallel chromatographic separations;
a plurality of flow-through detection regions in fluid communication with the plurality of
separation columns, wherein each detection region of the plurality of detection regions includes
an internal cavity having a flow axis;
a common radiation source for emitting radiation, wherein at least a portion of the
radiation is transmitted into each detection region of the plurality of detection regions
substantially coaxially with the flow axis of each detection region of the plurality of detection
regions;
a wavelength selection element disposed between the common radiation source and the
plurality of detection regions;
a multi-channel detector in sensory communication with each detection region of the
plurality of detection regions; and
a plurality of fiber optic conduits disposed between the wavelength selection element and
the plurality of detection regions for transmitting radiation emitted from the radiation source to
the plurality of detection regions, wherein each fiber optic conduit of the plurality of fiber optic
conduits has a first end that bounds a portion of the cavity of a different flow-through detection
region of the plurality of detection regions.
9. (Previously presented) The system of claim 8, further comprising a plurality of flow
cells, wherein each detection region of the plurality of detection regions is disposed within a
different flow cell of the plurality of flow cells.